

Patent claims:

1. An injection molded part, in particular a toothbrush body, with a basic body injection-molded from plastic, on the surface of which a decoration is two-dimensionally applied and is covered by an encapsulation of a plastic by a second injection-molding operation, characterized in that the basic body (1) consists of a transparent and/or opaque and/or translucent plastic and the decoration (4) is applied with its visible side (5) to the surface (2) of the basic body (1).
2. The injection molded part as claimed in claim 1, characterized in that the plastic of the encapsulation is a transparent and/or opaque and/or translucent plastic.
3. The injection molded part as claimed in one of the preceding claims, characterized in that the encapsulation (7) covers one or more decoration-free regions (6, 8) of the basic body (1) with material engagement.
4. The injection molded part as claimed in claim 3, characterized in that the encapsulation (7) covers the basic body (1) without a form fit.
5. The injection molded part as claimed in one of the preceding claims, characterized in that the plastics of the basic body and the encapsulation have different degrees of hardness.
6. The injection molded part as claimed in either of claims 4 and 5, characterized in that the decoration-free regions (6) are arranged in the edge region of the decoration (4).

7. The injection molded part as claimed in one of claims 3 to 6, characterized in that the encapsulation (7) extends over the basic body (1) fully or partly beyond the edge region (6) of the decoration (4).  
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8. The injection molded part as claimed in one of claims 3 to 7, characterized in that the decoration-free regions (8) are arranged in the region of the decoration (4).  
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9. The injection molded part as claimed in one of claims 3 to 8, characterized in that the basic body has in one or more of the decoration-free regions recesses which are open toward its surface and are filled by the plastic of the encapsulation.  
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10. The injection molded part as claimed in claim 9, characterized in that the recess represents one or more alphanumeric characters or symbols.  
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11. The injection molded part as claimed in one of the preceding claims, characterized in that the surface of the basic body bearing the decoration is approximately planar.  
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12. The injection molded part as claimed in one of claims 1 to 10, characterized in that the surface (2) of the basic body (1) bearing the decoration (4) is convexly curved.  
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13. The injection molded part as claimed in one of the preceding claims, characterized in that the region of the surface (2) of the basic body (1) surrounding the decoration (4) is formed at a lower-lying level than the surface area covered by the decoration (4).  
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14. The injection molded part as claimed in claim 13, characterized in that the region of the surface (2) of the basic body (1) surrounding the decoration (4) is formed in a convexly rounded manner.

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15. The injection molded part as claimed in claim 14, characterized in that the convex rounding extends into the outer edge region of the surface (2) of the basic body (1) bearing the decoration (4).

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16. The injection molded part as claimed in one of the preceding claims, characterized in that the decoration is an insert part or a hot transfer film or a metallized film.

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17. The injection molded part as claimed in one of claims 1 to 15, characterized in that the decoration (4) is applied to the surface (2) of the basic body (1) by printing, in particular by pad printing or screen printing or laser printing or inkjet printing.

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18. The injection molded part as claimed in one of the preceding claims, characterized in that a further decoration (4') is applied to the encapsulation (7) and is covered by a further encapsulation (7'), which covers one or more regions (6') of the first encapsulation (7) that are free from the further decoration (4') with material engagement with respect to the first encapsulation (7).

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